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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) & 1.97(c))				Docket No. JPSA 001	
In Re Application Of: SERCEL ET AL					
Application No. 10/782,741	Filing Date February 19, 2004	Examiner	Customer No. 32047	Group Art Unit 2873	Confirmation No. 1664
Title: SYSTEM AND METHOD FOR CUTTING USING A VARIABLE ASTIGMATIC FOCAL BEAM SPOT					
<p>Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p> <p><b>37 CFR 1.97(b)</b></p> <p>1. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.</p> <p><b>37 CFR 1.97(c)</b></p> <p>2. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:</p> <p><input type="checkbox"/> the statement specified in 37 CFR 1.97(e);</p> <p><b>OR</b></p> <p><input type="checkbox"/> the fee set forth in 37 CFR 1.17(p).</p>					

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In Re Application: <b>SERCEL ET AL</b>					
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10/782,741	February 19, 2004		32047	2873	1664
Title: <b>SYSTEM AND METHOD FOR CUTTING USING A VARIABLE ASTIGMATIC FOCAL BEAM</b>					

**Payment of Fee**  
 (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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☐ The Director is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below.  
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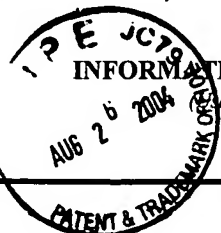
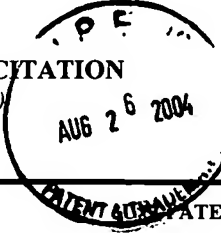
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 Signature

**Kevin J. Carroll**  
 Reg. No. 36,384  
 Grossman Tucker Perreault & Pfleger, PLLC  
 55 South Commercial Street  
 Manchester, NH 03101

Dated: **AUGUST 24, 2004**

CC:

 				Docket Number (Optional) <b>JPSA 001</b>		Application Number <b>10/782,741</b>		
				Applicant(s) <b>SERCEL ET AL</b>				Filing Date <b>FEBRUARY 19, 2004</b>
				Group Art Unit				
<b>PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	<b>1</b>	5,631,190	5/20/1997	NEGLEY	438	33		
	<b>2</b>	6,580,054	6/17/2003	LIU ET AL	219	121.68		
	<b>3</b>	6,472,295	10/29/2002	MORRIS ET AL	438	463		
	<b>4</b>	2002/0149136	10/17/2002	BAIRD ET AL	264	400		
	<b>5</b>	6,130,401	10/10/2000	YOO ET AL	219	121.6		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	<b>6</b>	2002/0031899	3/14/2002	MANOR	438	460		
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	<b>7</b>	JP11163403	6/18/1999	JAPAN -2 English abstracts	H01L	33/00		<input checked="" type="checkbox"/>
	<b>8</b>	WO 02/41362 A2	5/23/2002	PCT	H01L			
	<b>9</b>	WO 00/75983 A1	12/14/2000	PCT	H01L	784		
	<b>10</b>	EP 1137 072 A2	9/26/2001	EPO	H01L	29/201		
	<b>11</b>	55-151351	11/25/1980	JAPAN w/English abstract	H01L	21/78		<input checked="" type="checkbox"/>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	<b>12</b>	T. Villeneuve, "Nanosecond pulsed laser improve micro-machining", DesignNews (Reed Elsevier Inc.) 2001 Issue 11 pp. 33-35, June 4, 2001.						
	<b>13</b>	D.Hellrung et al, "High-Accuracy Micromachining of Ceramics by Frequency-Tripled Nd:YAG-Lasers", Proceedings of SPIE-The International Society for Optical Engineering, vol. 3618 pp. 348-356, November 25-27, 1999.						
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO.	APPLICATION NO.
	JPSA 001	10/782,741
	APPLICANT(S)	
	SERCEL ET AL	
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	FEBRUARY 19, 2004	

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	14	5,932,118	8/3/1999	YAMAMOTO ET AL	219	121.66	
	15	5,864,171	1/26/1999	YAMAMOTO ET AL	257	628	
	16	5,543,365	8/6/1996	WILLS ET AL	437	226	
	17	3,629,545	12/21/1971	GRAHAM ET AL	219	121	
	18	3,699,644	10/24/1972	COCCA	29	527.2	

**U.S. PATENT APPLICATION PUBLICATIONS**

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**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	19	56-6451	1/23/1981	JAPAN w/English abstract	H01L	21/78		✓
	20	57-6650	1/13/1982	JAPAN w/English abstract	A61B	17/22		✓
	21	57-81985	5/22/1982	JAPAN w/English abstract	B23K	26/00		✓
	22	58-44738	3/15/1983	JAPAN w/English abstract	H01L	21/78		✓
	23	58-44739	3/15/1983	JAPAN w/English abstract	H01L	21/78		✓

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		24	Lee, Jong-Moo et al, "Scribing Blue LED Wafer Using Laser-Induced Plasma-Assisted Ablation With a Q-Switched Nd:YAG Laser", Proceedings of SPIE, Laser Application in Microeletronic and Optoelectronic Manufacturing V, Volume 3933, January 24-26, 2000, Pgs. 237-244.
		25	A. Ostendorf et al, "Material Processing Applications for Diode Pumped Solid State Lasers", Lambda Highlights, Lambda Physik, No. 57, May 2000, Pgs. 1-8.

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>24</b>	4,851,371	7/25/1989	FISHER ET AL	437	226	
<b>27</b>	4,865,686	9/12/1989	SINOHARA	156	643	
<b>28</b>	4,964,212	10/23/1990	DEROUX-DAUPHIN ET AL	29	852	
<b>29</b>	4,992,393	2/12/1991	KOSAKA ET AL	437	83	
<b>30</b>	5,075,201	12/24/1991	KOH	430	321	

**U.S. PATENT APPLICATION PUBLICATIONS**

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						YES	NO
<b>31</b>	58-68946	4/25/1983	JAPAN w/English abstract	H01L	21/78		✓
<b>32</b>	10-64854	3/6/1998	JAPAN w/English abstract	H01L	21/301		✓
<b>33</b>	11-224866	8/17/1999	JAPAN w/English abstract	H01L	21/301		✓
<b>34</b>	JP2000-4066	1/7/2000	JAPAN w/English abstract	H01S	5/30		✓
<b>35</b>	JP2000-196186	7/14/2000	JAPAN w/English abstract	H01S	5/10		✓

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	<b>36</b>	Powell, Paula M., Senior Editor, "Diode-Pumped Solid-State Lasers: Manufacturing Matters", 2002 Global Photonics Market Forecast.
	<b>37</b>	Park, Jongkook and Sercel, Patrick, "High-Speed UV Laser Scribing Boosts Blue LED Industry", Compound Semiconductor, Volume 8, Number 11, December 2002.

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	<b>38</b>	6,117,347	9/12/2000	ISHIDA	216	52	
	<b>39</b>	6,140,151	10/31/2000	AKRAM	438	113	
	<b>40</b>	6,225,194	5/1/2001	NOGUCHI ET AL	438	464	
	<b>41</b>	3,626,141	12/7/1971	DALY	219	121	
	<b>42</b>	3,814,895	6/4/1974	FREDRIKSEN	219	121	

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							YES	NO
	<b>43</b>	61-219535	9/29/1986	JAPAN w/English abstract	B23P	15/24		✓
	<b>44</b>	63-174793	7/19/1988	JAPAN w/English abstract	B23K	26/00		✓
	<b>45</b>	63-183885	7/29/1988	JAPAN w/English abstract	B41M	5/26		✓
	<b>46</b>	WO 03/028943 A1	4/10/2003	PCT	B23K	26/12		
	<b>47</b>	_____						

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
		<b>48</b> Wiener-Avneer, Eli, "Laser Micromachining Creates Precise 3-D Structures", Laser Focus World-Optoelectronics and Laser Technology Advances, November 1998, Pgs. 1-4.
		<b>49</b> Lambda Physik, Lambda Highlights No. 18, "New Resist for 248 NM Successfully Investigated", August 1989, Pgs. 1-4.

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	<b>50</b>	4,921,564	5/1/1990	MOORE	156	344	
	<b>51</b>	5,057,664	10/15/1991	JOHNSON ET AL	219	121.69	
	<b>52</b>	33,947	6/2/1992	SHINOHARA	156	643	
	<b>53</b>	5,138,131	8/11/1992	NISHIKAWA ET AL	219	121.67	
	<b>54</b>	5,387,776	2/7/1995	PREISER	219	121.72	

**U.S. PATENT APPLICATION PUBLICATIONS**

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							YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		<b>55</b>	Lambda Physik, "Gator", DPSS Lasers - Gator Series, May 2003.
		<b>56</b>	Oxford Lasers, "Sapphire Wafer Scribing System", <a href="http://www.oxfordlasers.com">www.oxfordlasers.com</a> .

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57	5,811,751	9/22/1998	LEONG ET AL	219	121.6	
58	5,961,852	10/5/1999	RAFLA-YUAN ET AL	219	21.69	
59	5,963,364	10/5/1999	LEONG ET AL	359	352	
60	5,987,920	11/23/1999	BOSMAN ET AL	65	23	
61	5,994,205	11/30/1999	YAMAMOTO ET AL	438	464	

**U.S. PATENT APPLICATION PUBLICATIONS**

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							YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		62	MEMS and Nanotechnology Clearinghouse, "JPSA Announces The IX-1000 Laser Microdice System", www.memsnet.org, January 6, 2004.

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**U.S. PATENT DOCUMENTS**

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	63	6,413,839	7/2/2002	BROWN ET AL	438	463	
	64	5,185,295	2/9/1993	GOTO ET AL	438	463	
	65	5,912,477	1/15/1999	NEGLEY	257	95	
	66	5,151,389	9/29/1992	ZAPPELLA	437	226	
	67	5,214,261	5/25/1993	ZAPPELLA	219	121.67	

**U.S. PATENT APPLICATION PUBLICATIONS**

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>68</b>	5,922,224	7/13/1999	BROEKROELOFS	219	121.72	
	<b>69</b>	3,824,678	7/23/1974	HARRIS ET AL	29	578	
	<b>70</b>	3,970,819	7/20/1976	GATES ET AL	219	121	
	<b>71</b>	4,046,985	9/6/1977	GATES	219	121	
	<b>72</b>	4,224,101	9/23/1980	TIJBURG ET AL	156	643	

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**U.S. PATENT DOCUMENTS**

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<b>13</b>	4,543,464	9/24/1985	TAKEUCHI	219	121	
<b>14</b>	4,729,971	3/8/1988	COLEMAN	437	226	
<b>15</b>	5,385,633	1/31/1995	RUSSELL ET AL	156	693	
<b>16</b>	5,543,365	8/6/1996	WILLS ET AL	437	226	
<b>17</b>	5,552,345	9/3/1996	SCHRANTZ ET AL	437	227	

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	<b>78</b>	5,641,416	6/24/1997	CHADHA	219	121.69	
	<b>79</b>	5,872,046	2/16/1999	KAERIYAMA ET AL	438	465	
	<b>80</b>	5,976,691	11/2/1999	NOGUCHI ET AL	428	354	
	<b>81</b>	3,816,700	6/11/1974	WEINER ET AL	219	121	
	<b>82</b>	4,237,601	12/9/1980	WOOLHOUSE ET AL	29	583	

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	<b>83</b>	4,336,439	6/22/1982	SASNETT ET AL	219	121		
	<b>84</b>	4,543,464	9/24/1985	TAKEUCHI	219	121		
	<b>85</b>	4,562,333	12/31/1985	TAUB ET AL	219	121		
	<b>86</b>	4,664,739	5/12/1987	AURICHIO	156	344		
	<b>87</b>	5,611,946	3/18/1997	LEONG ET AL	219	121.6		
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	JPSA 001	10/782,741
	APPLICANT(S)	
	SERCEL ET AL	
	FILING DATE	GROUP ART UNIT
	FEBRUARY 19, 2004	

<b>U.S. PATENT DOCUMENTS</b>
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
88	5,626,777	5/6/1997	HUGL ET AL	219	121.72	
89	5,627,109	5/6/1997	SASSA ET AL	438	460	
90	5,703,713	12/30/1997	LEONG ET AL	359	352	
91	5,801,356	9/1/1998	RICHMAN	219	121.68	
92	5,809,987	9/22/1998	WARK ET AL	125	35	

<b>U.S. PATENT APPLICATION PUBLICATIONS</b>
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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

<b>FOREIGN PATENT DOCUMENTS</b>
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
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EXAMINER	DATE CONSIDERED
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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>	ATTY DOCKET NO. <b>JPSA 001</b>	APPLICATION NO. <b>10/782,741</b>
	<b>SERCEL ET AL</b>	
	FILING <b>FEBRUARY 19, 2004</b>	GROUP ART

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<b>93</b>	6,057,525	5/2/2000	CHANGE ET AL	219	121.73	
	<b>94</b>	6,107,162	8/22/2000	MORITA ET AL	438	462	
	<b>95</b>	6,121,118	9/19/2000	JIN ET AL	438	460	
	<b>96</b>	6,365,429	4/2/2002	KNEISSL ET AL	438	46	
	<b>97</b>	6,509,546	1/21/2003	EGITTO ET AL	219	121.68	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*


<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional) <b>JPSA 001</b>	Application Number <b>10/782,741</b>
		Applicant(s) <b>SERCEL ET AL</b>	
		Filing Date <b>FEBRUARY 19, 2004</b>	Group Art Unit

*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
98	J.Radtke et al, "High-Precision Micro Cutting of Ceramics with Short-Pulsed Solid-State Lasers", Proceedings of SPIE - The International Society for Optical Engineering, vol. 4088 pp. 252-255, June 14-16, 2000.
99	S.V. Govorkov et al, "High-Throughput Micromachining o Steel and Ceramics with Solid-State UV Laser", Proceedings of SPIE- The International Society for Optical Engineering, vol. 4065 pp. 790-800, April 24-28, 2000.
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101	S.K. Nikumb and M.U. Islam, "High-precision machining of materials for manufacturing applications using diode pumped solid state lasers", Proceedings of SPIE-The International Society for Optical Engineering, vol.3888 pp. 188-197, Nov.1-5, 1999.
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107	J. Cashmore, M. Gower, P. Gruenewald, D. Karnakis, N. Rizvi and M. Whitfield, "High Resolution Micormachining Using Short Wavelength and Short Pulse Lasers", Exitech Ltd., Oxford, England.
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